

AMENDMENTS TO THE SPECIFICATION

In the Title

Please replace the title of the application with the following new title:

- - CHARGE TRANSFER DEVICE FOR INCREASING DATA RATE AND REDUCING POWER CONSUMPTION- -

In the Disclosure

Please replace the paragraph beginning at page 11, line 16 and ending at page 11, line 19 with the following amended paragraph:

~~Figs. 4A and 4B~~ Fig. 4 and Fig. 5 show a charge transfer device according to the second embodiment of the invention. Fig. 4 shows the cross sectional structure of the charge transfer device, with an illustration how charges are transferred, and Fig. 5 shows the waveforms of a pulse signal train applied to transfer electrodes.

Please replace the paragraph beginning at page 14, line 23 and ending at page 15, line 2 with the following amended paragraph:

Next, a charge transfer device according to the third embodiment of the invention will be described with reference to Fig. 6, Figs. 7, and Fig. 8. Fig. 6 is a plan view of the charge transfer device, Fig. 7 shows the cross sectional structure of the charge transfer device, with ~~an-7B~~ illustrations how charges are transferred, and Fig. 8 shows the waveforms of drive pulses.

Please replace the paragraph beginning at page 17, line 24 and ending at page 18, line 7 with the following amended paragraph:

The solid type image pickup device C also has: a plurality of vertical charge transfer electrodes EV (EV1, EV2,..., EV12) extending in the horizontal direction, two electrodes being provided for each row of photoelectric conversion elements 33; horizontal charge transfer electrodes EH (EH1, EH2, EH3,...) made of first layer polysilicon and second layer polysilicon and formed alternately on the horizontal charge transfer path 37 in the horizontal direction; and read gates ~~33a~~ 40 each formed between the photoelectric conversion element 33 and vertical charge transfer path 35 for reading charges accumulated in the photoelectric conversion element 33 to the vertical charge transfer path 35.